

Title (en)
TELECOMMUNICATION SYSTEM FOR TRANSMITTING FULL MOTION VIDEO

Title (de)
KOMMUNIKATIONSSYSTEM ZUR ÜBERTRAGUNG VON BEWEGBILDVIDEO

Title (fr)
SYSTEME DE TELECOMMUNICATION TRANSMETTANT DES INFORMATIONS VIDEO EN BALAYAGE RAPIDE

Publication
EP 0741943 A4 19980909 (EN)

Application
EP 94906614 A 19940125

Priority
• US 9400433 W 19940125
• US 57029790 A 19900820

Abstract (en)
[origin: US5283637A] An improved telecommunication system is provided which allows the transmission of full motion color video, voice and data over a communications link formed of a twisted pair of wires of the type currently utilized only for voice and data communications. The signal is transmitted over the twisted pair link as a broadband signal up to a distance of six thousand feet. The twisted pair link exhibits a known impedance to the signal, depending upon the lengths of the twisted pairs of wires in the link. As the signal is received from the twisted pair link it is amplified and an impedance proportional to the impedance of the twisted pair link and vectorially opposite thereto is impressed thereon. A unity gain is achieved whereby the signal degrading effects of the impedance of the twisted pair link are reversed. This results in the accurate reproduction of a video signal over a link including significant lengths of conventional twisted pairs of telephone wires. Moreover, because the compensation for telephone line twisted pair impedance allows the accurate reproduction of a broadband signal, a plurality of different video, telephone and data signals can be multiplexed together and transmitted simultaneously over the same twisted pair link.

IPC 1-7
H04M 11/00; **H04N 7/12**

IPC 8 full level
H04B 3/50 (2006.01); **H04M 3/00** (2006.01); **H04M 11/00** (2006.01); **H04M 11/06** (2006.01); **H04N 7/08** (2006.01); **H04N 7/081** (2006.01); **H04N 7/10** (2006.01); **H04N 7/12** (2006.01); **H04N 7/14** (2006.01)

CPC (source: EP US)
H04M 11/068 (2013.01 - EP US); **H04N 7/102** (2013.01 - EP US); **H04N 7/108** (2013.01 - EP US); **H04N 7/148** (2013.01 - EP US)

Citation (search report)
• [XAY] WO 8805979 A1 19880811 - CGV COMP GEN VIDEOTECH [FR]
• [YA] US 4054910 A 19771018 - CHOU WAYNE W, et al
• [XA] EP 0578573 A1 19940112 - ALCATEL RESEAUX D ENTREPRISE [FR]
• [A] US 4996497 A 19910226 - WAEHNER GLENN C [US]
• [A] HORIGUCHI T ET AL: "A new video transmission system using broadband pair type cable", JAPAN TELECOMMUNICATIONS REVIEW, OCT. 1976, JAPAN, vol. 18, no. 4, ISSN 0021-4744, pages 222 - 229, XP002026232
• See references of WO 9520287A1

Designated contracting state (EPC)
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DOCDB simple family (application)
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